

Claims

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1. A controller for an A.C. generator for a vehicle, comprising:

batteries each of which is charged with electric charges on the basis of an output of generation of electrical energy of an A.C. generator having a field coil;

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voltage regulating means for regulating a current, which is caused to flow through said field coil, on the basis of the detection result of a voltage developed across the terminals of said batteries due to an output voltage of said A.C. generator into an fixed output value of the generation of electrical energy of said A.C. generator; and

field current restricting means for detecting a current which is caused to flow through said field coil by means of a field current detecting resistor to restrict the current to a predetermined value in correspondence to the detection result,

wherein said field current detecting resistor is formed as a thick film printed resistor, and

wherein each of said means other than said thick film printed resistor is formed as an electronic circuit are configured in the form of an integrated circuit.

2. A controller for an A.C. generator for a vehicle according to claim 1, wherein said thick film printed resistor and

said integrated circuits are formed on an insulating board.

3. A controller for an A.C. generator for a vehicle according to claim 1, wherein a resistor body constituting said thick film printed resistor is trimmed to adjust the resistance value thereof and to adjust the field current detection value.

4. A controller for an A.C. generator for a vehicle according to claim 1, wherein a failure alarm means for detecting a failure of said A.C. generator on the basis of the output of said A.C. generator to give an alarm is provided in the form of an integrated circuit.

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